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ABSTRACT

An explanation is provided of the Educational Resources Information Center (ERIC), a national information system that collects, processes, and makes available a wide range of educational documents. Contents of the guide include an explanation of the major components of the ERIC system; searching by subject, author, or institution in the ERIC collection and education journals; methods for citing ERIC materials; and computerized search availability. This is followed by an annotated bibliography of ERIC materials--abstracts, guides, newsletters, periodicals, and multi-media user aids. A directory of the 16 ERIC Clearinghouses is included. (JPF)

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A LIBRARY USER'S GUIDE TO ERIC

Revised Edition

by

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School of Education
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ERIC

The acronym ERIC stands for Educational Resources Information Center. ERIC is a national information system established by the U.S. Office of Education in June 1964.* Currently, it is being administered by the National Institute of Education. Its purpose is to collect, process, and make available a wide range of educational documents.

Included in the system are 16 Clearinghouses, each specializing in a particular area of education. (Clearinghouses as of Summer 1978 are appended to this Guide. A current list of Clearinghouses appears in each issue of Resources in Education.)

Documents processed by these Clearinghouses are thoroughly indexed in various ERIC publications. The main publications are: Resources in Education (RIE) and Current Index to Journals in Education (CIJE). Both are official publications of the ERIC system. RIE is published by the Government Printing Office; CIJE is printed through a contractor, Macmillan Information, a division of Macmillan Publishing Co., Inc.

RIE and CIJE are sister publications: RIE contains abstracts mainly of unpublished educational literature, while CIJE contains short annotations of published education journal articles. The Thesaurus of ERIC Descriptors published by Macmillan is the key to the ERIC indexing system. How to use each of these three publications is described in more detail below.

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*In 1964 ERIC stood for Educational Research Information Center. The name was changed to Educational Resources Information Center in 1967.

Most documents indexed in these publications are distributed upon request to individuals, libraries, universities and other institutions.

Ask your librarian about the availability of ERIC microfiche in your area, or write for the latest "Directory of ERIC Microfiche Collections" from: ERIC Processing and Reference Facility, ORI, Inc., Information Systems Division, 4833 Rugby Avenue, Suite 303, Bethesda, Maryland 20014.

MAJOR COMPONENTS OF THE ERIC COLLECTION

First, let us consider the ERIC collection of documents and reports covered by Resources In Education. There are four major components of this ERIC collection.

1. The Thesaurus of ERIC Descriptors.
2. Educational documents on microfiche.
3. Abstracts of the collection of microfiche with indexes (RIE).
4. Machinery to read and reproduce the microfiche.

Use of the Current Index to Journals in Education is discussed in the next section.

1. Thesaurus of ERIC Descriptors. The Thesaurus of ERIC Descriptors is an authority list of the subject terms ("descriptors") used by ERIC to index educational documents. The main section of the thesaurus lists all terms alphabetically and includes references from terms not used ("use" references).

Desegregated Schools
USE School Integration

For some terms, scope notes (SN) are included. Scope notes define how descriptors have been used in the indexes.

INDIVIDUALIZED INSTRUCTION
SN Adapting instruction to individual needs within the group

The newest edition of the thesaurus (7th edition) gives "postings" for each descriptor. These postings represent the number of times each term has been used in CIJE and RIE, thereby giving the researcher an indication of how much material is available on his subject.

CREATIVE DRAMATICS
CIJE: 129 RIE: 133

In addition, the thesaurus has references to narrower terms (NT), broader terms (BT) and related terms (RT).

Group Status
NT Family Status
BT Status
RT Group Dynamics
Group Guidance
Group Relations
Groups
Group Structure
Peer Relationships
Sociometric Techniques

Three supplementary lists included in the thesaurus deserve comment. The "Rotated Descriptor Display" arranges the ERIC descriptors so that each word of each term is entered separately in alphabetical order. The "Rotated Descriptor Display" is similar to a KWIC (Key-Word-In-Context) index.

Definitions
Special Degree Programs
Degree Requirements
Degrees (Titles)
Associate Degrees
Bachelors Degrees
Doctoral Degrees

Masters Degrees
Specialist in Education Degrees
Dejure Segregation

In a standard alphabetical listing, multiword terms with the word "degree" in them would be widely separated.

The "Descriptor Group Display" divides terms into 52 general categories, listing the specific descriptors which apply to each.

Audiovisual Materials and Methods
Airborne Television
Animation
Audiovisual Aids
Audiovisual Communication
Audiovisual Programs
Autoinstructional Aids
Broadcast Television
Cartoons
Charts
Classroom Materials
etc.
etc.

This section can be particularly useful to persons who have determined a broad area of interest and who wish to narrow the scope of their topic to a point suitable for research.

The third supplementary list, the "Two-Way Hierarchical Display," reveals the relationship of each descriptor to broader and narrower concepts.

:: LIBERAL ARTS
:HUMANITIES
LITERATURE
.AMERICAN LITERATURE
..DRAMA
...COMEDY

A system of colons and periods is used to indicate the degree of broadness and narrowness of terms. This

list is provided to assist researchers by showing the precise "hierarchical" relationship of concepts.

2. Educational Documents on Microfiche. The ERIC collection at present includes about 150,000 document titles, and it is increased at the rate of approximately 1,200 titles per month. The documents are reproduced on microfiche which are 4 inch x 6 inch sheets of film with the pages of the documents photographed and highly reduced in size. Each microfiche carries up to 98 pages.

The contents of the documents in the ERIC collection cannot be easily summarized. There are many research and project reports as well as a wide range of miscellaneous writings related to education. The significant common feature of the material included is that most of it has not been published extensively prior to its inclusion in ERIC, so that these documents are not readily available through other sources (i.e., library book and periodical collections). There are, however, many exceptions to this generalization.

Each title has an ED (ERIC document) number, which is used to locate and identify the report. ED numbers reflect merely the sequence in which documents are processed; or to state it differently, the documents are not in a subject or author arrangement. Subject and author access to the microfiche collection are provided through the various ERIC indexes.

3. Abstract/Indexes to the Microfiche. Resources In Education. (Research In Education before January 1975) is the major abstract/index to the microfiche collection. The contents of RIE list four main sections: document abstracts, subject index, author index, and institution index. The abstract section is arranged by ED number, and it includes a 100-200 word summary of each document. The abstract section also gives complete bibliographic information, a list of descriptors, the clearinghouse which processed the document, and ordering information for each title.

The subject index lists titles and ED numbers for documents under appropriate descriptors and identifiers. The author and institution indexes also note titles and ED numbers.

There are several other abstract/indexes in addition to RIE available for specialized purposes. Consult the bibliography section of this guide for a listing.

4. Machinery to Read and Reproduce the Microfiche. The following pieces of equipment are commonly available in libraries receiving ERIC documents: readers, reader/printers, and film reproducers. Many libraries also have the REMKARD storage and retrieval system for quick access to ERIC abstracts. Ask the librarian in charge of the ERIC collection what equipment is available at your institution.

Microfiche reader. This machine enlarges the image printed on the film and projects it onto a screen, permitting the document to be read page by page. Some libraries have lighweight portable readers which may be lent to ERIC users.

Microfiche reader/printer. This machine is a reader with the added capability of making paper reproductions of individual pages from microfiche documents.

Film reproducers. Film reproducers are machines which duplicate an entire sheet of microfiche on film. This enables users to acquire their own microfiche copies of reports.

REMKARD storage and retrieval system. This equipment provides quick access to resumes of ERIC documents. REMKARD is similar to a reader/printer in appearance. By pushing buttons corresponding to an ED number, the resume for that document is made to appear on a projection screen. REMKARD can also make paper copies of document resumes. (Although Remington Rand has discontinued this machine, it is still in use in many institutions.)

SEARCHING BY TOPIC IN THE ERIC COLLECTION

1. Consult the Thesaurus of ERIC Descriptors. The first step in researching by topic in the ERIC collection should be to consult the Thesaurus of ERIC Descriptors. The thesaurus enables you to determine what subject terms are used to index your topic in Resources In Education.

If you do not find your subject listed in the thesaurus, try looking under synonymous terms. It should be kept in mind that there are many concepts for which there is no single adequate descriptor. A person wanting material on the application of programed instruction to the study of music will have to consult terms relating to both "Programed Instruction" and "Music Education."

NOTE: Identifiers. Proper names of persons, geographical locations, trade names, projects, and the like are frequently useful in looking up information in ERIC. However, these highly specific terms, called "identifiers," are not listed in the ERIC Thesaurus. Identifiers appear in each entry in the abstract section of Resources in Education, and those that are asterisked as major terms appear in the printed subject index section of RIE. If you are looking for material about specific acronyms, coined terminology, equipment names, geographical locations, organizations and the like, then check the subject index section of each issue of RIE (and Current Index to Journals in Education, CIJE--discussed in a following section) and the annual and semi-annual cumulations for these indexes.

Once you have located the descriptors and identifiers which apply to your topic, make a list of all related terms, narrower terms and broader terms which you feel may be useful to your research. If you want to be very thorough, you should check all key words relating to your topic in the "Rotated Descriptor Display" and you should scan the terms in the "Descriptor Group Display" category under which your

topic falls. You may also find it useful to trace your topic in the "Two-Way Hierarchical Display." These three Displays are in the back of the thesaurus.

If used correctly, the Thesaurus of ERIC Descriptors can provide you with a list of subject terms under which documents on your topic will be listed in RIE, making this an important step in the research process.

2. Locate descriptor and identifier terms in the subject indexes to Resources in Education. RIE indexes list titles and ED numbers for appropriate documents under each term. To cover all documents processed through 1972, it is necessary to consult only Volume I-II (1966-1969), Volume III (1970-1971), Volume IV (1972), and Volume V (1973) of ERIC Educational Documents Index. These volumes cumulate all subject indexes for RIE through 1973, and they include earlier material indexed in Office of Educational Research Reports, 1956-1965. To cover material issued after 1973, consult the annual cumulations and monthly issues of RIE.

From the indexes, compile a list of the titles you desire to study, along with their ED numbers. Abstracts for the titles on your list may be found in several sources and you may wish to review them before actually looking up the reports themselves. They can be found in the monthly issues of RIE where the document was first listed, in cumulative volumes called ERIC Educational Documents Abstracts, and in REMKARD. The abstract also comprises the first page of each document on microfiche.

2. Locate the desired reports in the microfiche files. Documents are arranged in sequence according to their ED numbers. Many longer reports are continued on two or more microfiche. If the note on the upper left hand corner of the film indicates 1 of 2, it is a two part document, 1 of 3, three parts, etc.

Some documents listed in Resources In Education are not available on ERIC microfiche. If you do not

find the report you are looking for in the microfiche files, locate its abstract in the appropriate monthly issue of RIE. If the document was not reproduced on ERIC microfiche, the abstract will include the note "Not available from EDRS" (ERIC Document Reproduction Service). Recent issues of Resources In Education designate unavailable documents with a double slash mark (//) after the ED number. When this occurs, the abstract will also include a source from which the document may be obtained. Typically, items not on microfiche are copyrighted, or they are readily available through other channels.

4. View documents on microfiche reading equipment. Once the desired reports have been located, they can be viewed and reproduced with the various machines available in your library. If you do not know how to operate the equipment, do not hesitate to ask the library staff member on duty for assistance.

SEARCHING BY AUTHOR OR INSTITUTION IN THE ERIC COLLECTION

ERIC materials are indexed by author and by sponsoring institution, in addition to subject terms (descriptors and identifiers). If you wish to discover what articles a certain author has written, or if you wish to see what materials a certain university or institution has sponsored, you can consult the "author" and/or "institution" sections in the above-mentioned indexes.

SUGGESTED METHODS FOR CITING ERIC MATERIALS

Sample footnote:

16
Larry M. Raskin, Long-Term Perceptual Memory in Educable and Trainable Retardates and Children with Learning Disabilities, Educational Resources Information Center, ED 054 552 (Lafayette, Indiana: Purdue University, 1970), p.4.

Sample bibliographical entry:

Raskin, Larry M. Long-Term Perceptual Memory in Educable and Trainable Retardates and Children with Learning Disabilities. Educational Resources Information Center, ED 054 552. Lafayette, Indiana: Purdue University, 1970.

ERIC materials are classified neither as books nor periodicals and therefore may be designated under the heading SPECIAL SERIES in bibliographies.

BIBLIOGRAPHY

A. Books

_____
_____
_____

B. Special Series

_____
_____
_____

C. Periodicals

_____
_____
_____

SEARCHING BY TOPIC IN EDUCATION JOURNALS

ERIC provides the Current Index to Journals in Education (CIJE) for persons seeking information in the periodical literature of this field. CIJE furnishes subject and author indexes to over 700 periodicals containing material related to education. Other useful features of CIJE are: a "Main Entry Section," which lists subject terms used to describe each article and provides brief annotations for many articles; a "Journal Contents Index," which lists the articles indexed from each journal under the name of the journal; and a "Source Journal Index," which lists the names of all journals indexed in alphabetical order and gives price, address and frequency of publication for each. The steps for researching a topic in CIJE are described below.

1. Establish your subject terms (descriptors and identifiers). To research a topic using CIJE, begin by establishing the subject terms used to index the desired material. CIJE, like Resources In Education, utilizes the terms listed in the Thesaurus of ERIC Descriptors as well as identifiers. New subject terms are noted in each issue of CIJE and RIE.

2. Locate descriptors and identifiers in the subject indexes to CIJE. Once you have established the descriptors and identifiers for your topic, look them up in the subject index section of CIJE. CIJE was first produced in 1969, and it is issued monthly, with semi-annual and annual cumulations. Consult the annual cumulations for those years which are complete and the monthly and/or semi-annual issues for the current year.

3. Select articles which apply to your project. From the subject section of CIJE, select the articles which apply to your project, recording all the information needed for locating and citing the articles. If you desire more information about an article before actually locating it, look it up in the main entry section. The main entry provides complete bibliographic information, a list of subjects and often brief

annotations for each article. Trace the main entry through the EJ (educational journal) number, which is assigned to each reference.

4. Determine if the desired articles are available in your library. Once articles have been selected and complete bibliographic information has been noted, consult the periodical records of your library to determine if the desired items are available. If you have difficulty interpreting your library's periodical records or finding journals, do not hesitate to seek assistance from the librarian responsible for this area. If the articles you desire are not available at your library, inquire about the possibility of receiving them through inter-library loan or other cooperative arrangements. Reprints of indexed articles may be obtained from University Microfilms International (UMI) for about 55 percent of the journals covered. Consult any recent issue of CIJE for complete information regarding this service.

NOTE: One point to bear in mind is that articles indexed in CIJE are not included in the ERIC microfiche collection. The microfiche collection consists primarily of uncopyrighted materials not readily available through other sources. Periodicals are readily available through well established channels, and most of them are copyrighted.

SEARCHING BY AUTHOR OR JOURNAL IN EDUCATION JOURNALS

You also may search CIJE by author or by journal title. If you want to see what a particular author has written, or if you wish to see what articles a certain journal has printed, simply consult the appropriate index in the back of each monthly CIJE.

COMPUTERIZED ERIC SEARCH

Complete bibliographic information for reports listed in Resources In Education and articles listed

in the Current Index to Journals in Education is available for purchase on computer tapes. ERICTAPES, as they are called, make possible automated searches of all materials included in the system. A complete bibliography of ERIC reports with abstracts and journal articles indexed by CIJE, with annotations, can be produced on a given subject.

Many universities, state departments of education and research centers receive ERICTAPES and provide a range of automated bibliographic services, as do some individual clearinghouses. There are also commercial services which sell access to ERICTAPES via remote terminals fed into a centralized computer. Inquire at your institution regarding the availability of automated ERIC research. A comprehensive listing of such services, complete with telephone numbers, names of contact persons, prices, etc., is available in the following directory:

Survey of ERIC Data Base Services. Available from: ERIC Processing and Reference Facility, ORI, Inc., Information Systems Division, 4833 Rugby Avenue, Suite 303, Bethesda, Maryland 20014. This same address should be used for all other information regarding ERICTAPES.

SELECTED BIBLIOGRAPHY OF ERIC MATERIALS

This bibliography is selective and will become outdated as new materials are produced. For additional references about the ERIC system consult:

Brandhorst, W. T. and Dorothy Slawsky. "ERIC Bibliography: Selected References Concerning ERIC." In ERIC Information Analysis Products, 1967-1972, edited by J. I. Smith and Mary F. McCord. Educational Resources Information Center, ED 078 862. Washington, D.C.: ERIC Clearinghouse on Library and Information Sciences, 1973, pp. xix-xxx.

To keep informed of the latest items, check the

notices in current issues of RIE and CIJE, and solicit promotional literature from the clearinghouses and publishers which produce ERIC materials.

Abstracts, Indexes and Thesaurus

Abstracts of Instructional and Research Materials (AIM/ARM). Columbus, Ohio: The Center for Vocational and Technical Education, Ohio State University, v.7, 1974- v.9, 1976.

Each issue combines AIM and ARM (see entries below) in a single volume. Though merged under one cover, AIM and ARM constitute separate sections, and they are essentially the same as before the merger. The frequency of publication had been increased to six times per year.

This series is now being continued under the new title Resources in Vocational Education (see entry under new title).

Abstracts of Instructional Materials in Vocational and Technical Education (AIM). Columbus, Ohio: The Center for Vocational and Technical Education, Ohio State University, v.1, 1967- v.6, 1973.

A quarterly abstract index to instructional materials in vocational and technical education.

Each issue of AIM is assigned an ED number under which reports listed in that issue are available as a set in the ERIC microfiche collection. Reports within each set are arranged by VT number. Each issue of AIM contains a listing of ED numbers corresponding to all previous issues of AIM.

Contents: abstracts, subject and identifier index, personal and institutional author index.

Starting with volume 7, 1974 individual issues of AIM and ARM were combined under one cover. The indexes to AIM and ARM are cumulated in a combined annual volume, the AIM-ARM Annual Index.

Abstracts of Research Materials in Vocational and Technical Education (ARM). Columbus, Ohio: The Center for Vocational and Technical Education, Ohio State University, v.1, 1967- v.6, 1973.

A quarterly abstract/index to research materials in vocational and technical education. Includes a listing of research projects in progress. Otherwise this set is identical to AIM. Starting with volume 7, 1974 combined with AIM under one cover.

Current Index to Journals in Education (CIJE), v.1-3. New York: CCM Information Corporation, 1969-71.
_____, v.4- . New York: Macmillan Information, 1972- .

Provides detailed indexing to articles in over 700 education and education-related journals. Issued monthly with semi-annual and annual cumulations. Utilizes terms listed in the Thesaurus of ERIC Descriptors.

Contents: source journal index, subject index, author index, journal contents index and main entry section.

Two notable features of this tool are the article annotations which appear in the main entry section and the journal contents index which lists articles indexed under each journal title.

Articles indexed in this source must be located in the journals themselves; they are not included in the ERIC microfiche collection.

ERIC Clearinghouse on Library and Information Sciences. Library and Information Sciences: an ERIC Bibliography. New York, CCM Information Corporation, 1972.

A bibliography of documents and articles dealing with library and information sciences. The contents include: a main entry section, listing ERIC documents with abstracts; a section listing journal articles with annotations; a subject index; an author index; and an availability section, which provides ordering information.

Similar subject bibliographies are available on career education, early childhood education, educational finance, reading and social studies/social science education. These may be ordered from Macmillan Information, 100 D Brown Street, Riverside, New Jersey 08075.

ERIC Educational Documents Abstracts (separate volumes for 1968, 1969, 1970 and 1971). New York: CCM Information Corporation, all 1972.

_____ (1972, 1973, 1974, 1975 in separate volumes; 1976 in 2 volumes). New York: Macmillan Information, 1973-1977. Annual publication.

Each volume cumulates all report abstracts for the specified year. Abstracts are arranged according to their ED (ERIC document) number in one listing for each year. These volumes make it unnecessary to refer to monthly issues of Resources in Education (Research in Education) for document abstracts. Document abstracts are also available on the microfiche themselves.

ERIC Educational Documents Index, 1966-1969. New York: CCM Information Corporation, 1970, 2v.

A cumulative subject-author index to all issues of Research in Education through 1969.

Also included is the material listed in Office of Education Research Reports, 1956-65, and the ERIC Catalog of Selected Documents on the Disadvantaged.

Entries give title and ED number for each report. Volume 1 lists major descriptors, which are terms designating the chief concepts of a document. Volume 2 lists minor descriptors, which describe documents to a level of specificity beyond that of major descriptors. Volume 2 also contains the cumulative author index.

ERIC Educational Documents Index, 1970-1971. New York: CCM Information Corporation, 1972.

A continuation of the earlier volume, covering the years 1970 and 1971. The format is identical to the 1966-1969 edition except that all sections are here bound in one volume.

ERIC Educational Documents Index - Institutions, 1966-1971. New York: Macmillan Information, 1973.

This cumulative list of organizational sources of documents and report literature supplements the two ERIC Educational Documents Indexes for 1966-1971; the institution index is included in subsequent editions.

ERIC Educational Documents Index (separate volumes for each calendar year 1972-1976). New York: Macmillan Information, 1973-1977. Annual publication.

These one year cumulations provide access to ERIC reports by author, major descriptor, minor descriptor, and institution indexes.

Piele, Philip. Selected Documents In Higher Education, Number and Subject Index. Educational Resources Information Center, ED 012 110. Eugene, Oregon: University of Oregon, n.d.

Index to reports ED 000 001 through ED 001 000, all relating to higher education. Contents: part 1, subject index; part 2, list of reports by ED number. Abstracts not included. This index is available only on microfiche.

Prentice-Hall Editorial Staff. Complete Guide and Index to ERIC Reports: Thru December 1969. Englewood Cliffs: Prentice-Hall, Inc., 1970.

A cumulative subject-author index to all issues of Research In Education through 1969.

This work provides essentially the same information as ERIC Educational Documents Index, 1966-1969; however, the format differs significantly. The subject index to the Complete Guide ... lists only ED numbers. Titles have to be searched in a separate listing. The Complete Guide ... combines major and minor descriptors in one listing, distinguishing between them with bold and light face type.

Contents: subject index, author index, clearinghouse index, numerical title list. The preface includes a list which correlates ED numbers to ERIC index issues.

Resources in Vocational Education. Columbus, Ohio: National Center for Research in Vocational Education, Ohio State University, begins with v.10, 1977-

Continues the AIM/ARM series cited above. Beginning with volume 10, all materials listed have individual ED numbers, making their location in the microfiche files less complicated. There are also changes in design and format. Issued six times per year with annual cumulations.

Smith, J. I. and Mary F. McCord. ERIC Information Analysis Products, 1967-1972. Educational Resources Information Center, ED 078 862. Washington, D. C.: ERIC Clearinghouse on Library and Information Sciences, 1973.

An abstract/index to bibliographies, review papers and related materials published by the clearinghouses during the time span indicated. The main entry section is followed by subject and author indexes. A noteworthy feature of this volume is a twelve page bibliography of references about the ERIC system. A hard copy edition of this publication is available from Macmillan Information, N.Y. See ED 087 411 for a similar volume covering 1972-73, and ED 126 856 for 1973-1975.

U.S. Educational Research Information Center. ERIC Catalog of Selected Documents on the Disadvantaged, Number and Author Index. Washington, D. C.: GPO, 1966.

Indexes 1,740 documents dealing with the special educational needs of the disadvantaged, ED 001 001 through ED 002 740. Does not include document abstracts.

_____. ERIC Catalog of Selected Documents on the Disadvantaged, Subject Index. Washington, D.C.: GPO, 1966.

Subject index to reports ED 001 001 through ED 002 740. Includes ED numbers only; no titles.

_____. Office of Education Research Reports, 1956-65, Indexes. Washington, D. C.: GPO, 1967.

Indexes reports ED 002 747 through ED 003 960 by author, institution, subject, and report number.

_____. Office of Education Research Reports, 1956-65, Resumes. Washington, D.C.: GPO, 1966.

Abstracts of 1,214 research reports received by the Bureau of Research before the start of publication of Research In Education. Lists ED 002 747 through ED 003 960.

U.S. Educational Resources Information Center. Current Topics in Education. Palo Alto, Calif.: Lockheed Communications and Information Sciences Laboratory, topic 1, number 1, 1972-1974.

A series of literature surveys covering current topics of interest in the field of education. Each issue listed selective periodical citations (with annotations) and ERIC document abstracts on its given topic. Some sample topics are: no. 2 - Early Childhood Programs, no. 7 - Finance and Organizational Change in Education, no. 12 - Instructional Programs and Curriculum Planning in Reading. Publication ceased in 1974. Back issues, if they can be located in your library, have some value.

_____. Manpower Research Inventory. Washington, D.C.: GPO, v.1-1966/67, v.2-1968, v.3-1969.

An abstract/index to manpower research sponsored by various federal agencies.

Reports MP 000 001 through MP 000 946 comprise a separate collection of microfiche. Reports MP 000 947 through MP 001 042 have corresponding ED numbers and are interfiled with the main ERIC collection.

Contents: document abstracts, subject index, institution index, sponsoring agency index, investigator index, report number index, contract and grant number index, cross reference index.

_____. Pacesetters in Innovation. Washington, D.C.: GPO, v.1-1966, v.2-1967, v.3-1968.

An abstract/index to PACE (Projects to Advance Creativity in Education) approved under Title III, Supplementary Centers and Services Program, Elementary and Secondary Education Act of 1965.

Reports listed in these volumes comprise a separate collection of microfiche, ES 000 001 through ES 002 554.

Contents: subject index, local education agency index, project number index, project resumes.

_____. Pacesetters in Innovation, Cumulative Issue of All Projects in Operation as of February 1969. Washington, D. C.: GPO, 1969.

Cumulates projects listed in volumes 1, 2 and 3 which were still in operation as of February 1969. Listed also are 45 new projects which did not appear earlier (ES 002 555 through ES 002 599). These new projects, however, are not available on microfiche, since the original copies were not of reproducible quality. The format is the same as earlier volumes.

_____. Pacesetters in Innovation, Fiscal Year 1969. Washington, D.C.: GPO, 1971.

An abstract/index to PACE (Title III, ESEA, 1965), the Bilingual Education Program (Title VII, ESEA, 1965), and the Dropout Prevention Program (Title VIII, ESEA, 1965); all funded during the fiscal year 1969. The format is the same as earlier volumes.

_____. Research In Education. Washington, D.C.: GPO, v.1, 1966- v.9, 1974.

Starting with the January 1975 issue, the title changed to Resources In Education to account for the broader scope of the material covered. See entry below for a full annotation.

_____. Research in Education: Report Resumes, November 1966 - December 1967. Washington, D.C.: National Standards Association, Inc., 1977.

This volume reprints the report resumes which appeared in the first fourteen issues of RIE. It is an extremely useful tool because it cumulates this material for the first time, and it supplements the ERIC Educational Documents Abstracts series. Contains abstracts ED 010 000 - ED 012 348.

_____. Resources In Education. Washington, D.C.: GPO, v.10, 1975-.

The primary abstract/index to the ERIC microfiche collection. Issued monthly. Index sections cumulated semi-annually and annually until 1975 when the annual cumulations were discontinued.

Contents: document abstracts, subject index, author index, institution index, clearinghouse number/ED number cross reference index.

V.1, 1966-v.9, 1974 used the title Research In Education. V.1 starts with ED 010 000.

_____. Thesaurus of ERIC Descriptors, 7th ed. New York: Macmillan Information, 1977.

An authority list of the subject terms (descriptors) used in various ERIC indexes, notably Resources in Education and Current Index to Journals in Education.

Part 1 -- an alphabetical listing of descriptors with cross references to broader

terms (BT), related terms (RT), and narrower terms (NT). Part 2 -- "Rotated Descriptor Display," a list of all descriptors with each element of each term entered separately in alphabetical order. Part 3 -- "Two-Way Hierarchical Term Display," a list revealing the relationship of each descriptor to broader and narrower concepts. Part 4 -- "Descriptor Group Display," terms arranged under 52 general categories.

New editions of the thesaurus are issued every several years, and new descriptor terms are listed in the back of each issue of RIE and the CIJE.

_____. Title Index to ERIC ED Accessions File, 1966-1976. Bethesda, Md.: ERIC Processing and Reference Facility [1977], 2 vols.

Provides title access to the ERIC collection. Each entry includes title, number of pages, date, and ED number. This is an essential volume, since the standard ERIC indexes do not have title sections. Fully cumulated annually, with quarterly supplements.

Guides to ERIC

Brown, James W., and others. ERIC: What It Can Do For You/How to Use It. Stanford, Calif.: ERIC Clearinghouse on Information Resources, 1975. ED 110 095.

Ervin, Sharon. Everyman's Guide: an ERIC Search System for Social Studies Teachers, Consultants, and Librarians. Boulder, Colo.: ERIC Clearinghouse on Social Studies/Social Science Education, n.d. ED 049 960.

Jewell, Sharon and W. T. Brandhorst. Search Strategy Tutorial; Searcher's Kit. Washington, D.C.: National Institute of Education, 1973. ED 082 763.

Johnson, John R. The Structure and Operation of ERIC. Unpublished seminar paper, 1974. ED 094 789.

U.S. National Institute of Education. How to Use ERIC. Washington, D.C.: GPO, 1978. Available from Central ERIC, National Institute of Education, Washington, D.C. 20208.

U.S. Office of Education. How to Conduct a Search Through ERIC. Washington, D.C.: ERIC Clearinghouse on Teacher Education, 1970. ED 036 499.

Yarborough, Judith. How to Prepare for a Computer Search of ERIC: A Non-Technical Approach. Stanford, Calif.: ERIC Clearinghouse on Information Resources, 1975. ED 110 096.

ERIC Newsletters and Other Informational Literature

Most of the ERIC clearinghouses issue newsletters and other miscellaneous publications. These provide current information about ERIC and about the subject specialty of the particular clearinghouse. They also spotlight important upcoming ERIC documents in their respective fields. Persons desiring to receive newsletters and other informational literature should address inquiries to the clearinghouses which relate to their needs. A complete list of clearinghouses with their addresses appears in each monthly issue of Resources in Education.

ERIC Periodicals

ERIC Processing and Reference Facility. ERIC Database Users Interchange. Bethesda, Md.: ERIC Processing and Reference Facility, November 1972- .

This news bulletin covering current activities of the ERIC system as a whole includes announcements of new products and services,

studies of the system, and availability of older materials which have been reprinted.

Published irregularly by the Facility, it is distributed free of charge. To have your name put on the mailing list, write to the Editor, Interchange, ERIC Processing and Reference Facility, 4833 Rugby Avenue, Suite 303, Bethesda, Maryland 20014.

U.S. ERIC Clearinghouse for Junior Colleges. The ERIC Report. Los Angeles, Calif.: The Clearinghouse, University of California, no. 1, 1973- no. 5, 1974.

The purpose of this publication was to disseminate information between clearinghouses and to users of ERIC products. Includes editorials, articles, news from clearinghouses, a Washington report, letters and information on new products and services. Publication ceased with the fifth issue.

Multi-Media Kit

U.S. Educational Resources Information Center. ERIC: What It Is, How To Use It. (James E. Davis, Project Coordinator.) Boulder, Colo.: Clearinghouse for Social Studies/Social Science Education, 1974.

This multi-media kit is designed to teach the use of ERIC materials. It includes three filmstrips with cassettes: (1) "An Introduction to ERIC," (2) "Learning to Use Research in Education," and (3) "Doing an ERIC Search." A coordinator's manual and demonstration mock-ups of ERIC research tools are provided.

Available for $35.00 from National Audiovisual Center, Attn: Order Section, GSA, Washington, D.C. 20409. Order Number: 009000. Checks must be made payable to "National Archives Trust Fund."

THE ERIC CLEARINGHOUSES

Career Education/CE
Center for Vocational Education
The Ohio State University
1960 Kenny Road
Columbus, Ohio 43210
Telephone: (614) 486-3655

Adult, continuing, career, and vocational technical education, including informal and formal educational practice.

Counseling and Personnel Services/CG
The University of Michigan
School of Education Building
Room 2108
Ann Arbor, Michigan 48109
Telephone: (313) 764-9492

Preparation, practice, supervision of counselors and other personnel workers at all educational levels and settings.

Early Childhood Education/PS
University of Illinois
805 W. Pennsylvania Avenue
Urbana, Illinois 61801
Telephone: (217) 333-1386

Physiological, psychological, cultural development of children from birth through primary grades; major focus on educational theory, research and practice.

Educational Management/EA
University of Oregon
Eugene, Oregon 97403
Telephone: (503) 686-5043

Theory and practice of administration of public and private educational organizations and facilities at the elementary and secondary levels.

Handicapped and Gifted Children/EC
The Council for Exceptional Children
1920 Association Drive
Reston, Virginia 22091
Telephone: (703) 620-3660

Education of children who require special services: gifted, mentally retarded, visually impaired, deaf, physically handicapped, emotionally disturbed, speech and language impaired.

Higher Education/HE
George Washington University
One Dupont Circle, Suite 630
Washington, D.C. 20036
Telephone: (202) 296-2597

All research documents on higher education except for teacher education, junior colleges, and teaching English.

Information Resources/IR
School of Education
Syracuse University
Syracuse, New York 13210
Telephone: (315) 423-3640

Instructional media and technology, libraries and information science. Management of libraries and training of professionals; information networks and data bases; technology-based educational techniques (computer-assisted instruction, programed instruction, systems analysis), teaching aids

(television, videotape, films), education in society (cable television, communications satellites, public television).

Junior Colleges/JC
University of California
Powell Library, Room 96
405 Hilgard Avenue
Los Angeles, California 90024
Telephone: (213) 825-3931

Public, private, community and junior colleges; studies on students, staff, curricula, programs, libraries.

Languages and Linguistics/FL
Center for Applied Linguistics
1611 North Kent Street
Arlington, Virginia 22209
Telephone: (703) 528-4312

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Telephone: (217) 328-3870

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Speech-Theater Module
Speech Communication Association
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Falls Church, Virginia 22041
Telephone: (703) 379-1888

Rural Education and Small Schools/RC
New Mexico State University
Box 3AP
Las Cruces, New Mexico 88003
Telephone: (505) 646-2632

Education of Indian, Mexican, and Spanish Americans and migratory farm workers and their children; educational programs in rural areas and small schools.

Science, Mathematics, and Environmental Education/SE
The Ohio State University
1200 Chambers Road, Third Floor
Columbus, Ohio 43212
Telephone: (614) 422-6717

All levels of science, mathematics, and environmental education; development of curriculum and instructional materials.

Social Studies/Social Science Education/SO
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Boulder, Colorado 80302
Telephone: (303) 492-8434

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One Dupont Circle, N.W.
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Telephone: (202) 293-7280

Preschool and in-service preparation of teachers, supportive school personnel, and teacher educators; all aspects of physical education.

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Tests, Measurements and Evaluation/TM
Educational Testing Service
Princeton, New Jersey 08540
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Tests, measurement and evaluation at all levels.

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Box 40
Columbia University, Teachers College
525 West 120th Street
New York, New York 10027
Telephone: (212) 678-3437

Educational, psychological, social, and general development of urban children; special needs of ethnic groups and disadvantaged in urban areas.

TO ORDER DOCUMENTS WITH ED NUMBERS

To order documents with ED numbers listed in this Guide, consult "How to Order ERIC Documents" at the back of any issue of RIE. Prices are based on the number of microfiche or pages; see a recent issue for current prices and postage charges.

Or write the ERIC Document Reproduction Service (EDRS), P.O. Box 190, Arlington, Virginia 22210, for an order sheet and price information.

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